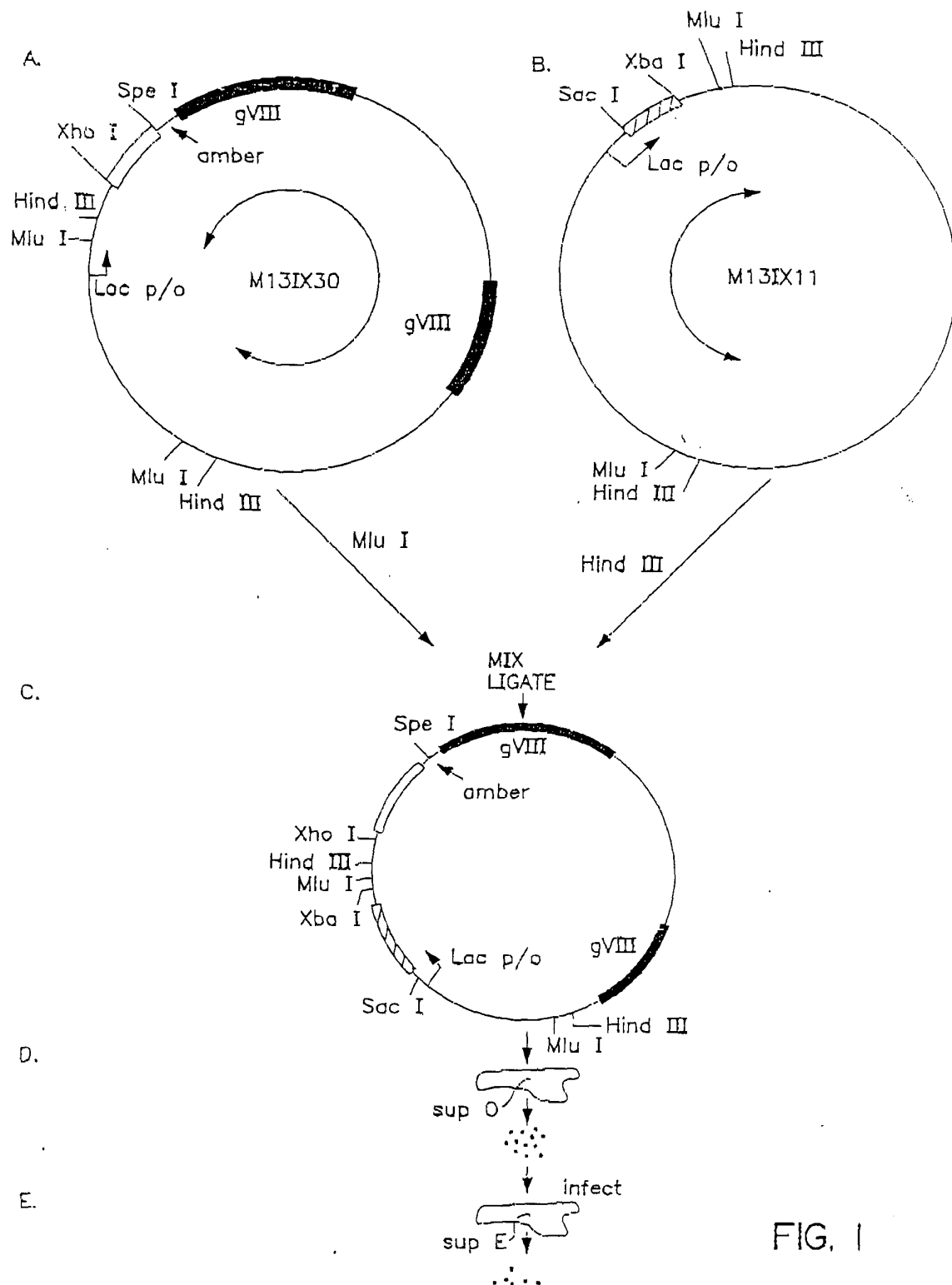


Title: Surface Expression Libraries of Heteromeric Receptors  
Inventor: William D. Husc  
Serial No.: 08/471,622 (Confirmation No. 8720)  
Filing Date: June 5, 1995  
Attorney Docket: P-DX 1613  
USPTO Customer No. 23601 (858-535-9001)

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Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGGCCCCC	AAATGAAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTITGCGA	AAATGATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTCGCAGA	ATTGGGAATC	AACCTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAAACATGT	TGAGCTACAG	CACCAGATTTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAGAG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTTCGCTTT	GAAGCTCGAA	TTAAAAACGG	ATATTTGAAG	360
361	TCTTTCGGGC	TTCTCTTAA	TCTTTTGTAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTATGAG	TCATTCTCGT	TTTCTGAAC	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCCGCG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCTGATTTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTT	GTTTTATTAA	CGTAAATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAATTCA	840
841	CAATGATTAA	AGTTGAAATG	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTGT	900
901	CTCGTCAAGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAGG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCACTGTGCT	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCCTGCGCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTCT	CGGATTTCGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTCCTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCCTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCTT	1320
1321	CAAAGCCTCT	GTAGCCGTGT	CTACCCCTCG	TCCGATGCTG	TCTTTCGCTG	CTGAGGCTGA	1380
1381	CGATCCCGCA	AAAGCGGCCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCCGTTA	1440
1441	TGCGTGCGCG	ATGGTTGTGT	TCATTGTGCG	CGCAACTATC	GGTATCAAGC	TGTTTTAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAG	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAATAAATTA	TTATTTCGAA	TTCTTTTAGT	TGTTCTTTTC	1620
1621	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACTCCATAT	AGAAAAATTA	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAACTC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCCCTCT	GACGGCACTT	ATCCGCTCTG	TACTGAGCAA	1980
1981	AAACCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCTAGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACCT	TTTATACGGG	CACTGTACTT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACCTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCTG	TTTGTGAATA	TCAAGGCCAA	TGGTCTGACC	TGGCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCGGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAACGT	AAATAAGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAACACGCGC	TACAGTCTGA	CGTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTCCGTC	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCC	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTAATG	ATTTTCTACG	2820
2821	TTTGTAAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCGGT	2880
2881	TATTATTGCG	TTCTCTCGGT	TTCCTTCTGG	TAACCTTGTT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCAAT	GTTTCTTGCT	CTTATTATTG	3000

FIG. 2A

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8726)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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	1	10	20	30	40	50	60	
3001	GGCTTAACTC	AATCTTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060	
3061	TTGTTCAAGG	TGTTCAAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120	
3121	TCCTCTGAAA	GGCTGCTATT	TTCAATTTTG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	3180	
3181	ATTGGGATAA	ATAATAAGGC	TGTTTATTTT	GTAACGGGCA	AATTAGGCTC	TGGAAGACG	3240	
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300	
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCGGGAGGT	TGCTAAAC	GCCTCGCGTT	3360	
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT	3420	
3421	TCCTACGATG	AAAAATAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGCAGTAC	TTGGTTTAAAT	3480	
3481	ACCCGTTCTT	GGAAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTCT	ACATGCTCGT	3540	
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600	
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660	
3661	TTTGTCGGTA	CTTTATATTC	TCTTATTAAT	GGCTCGAAAA	TGCTCTCGCC	TAAATTACAT	3720	
3721	GTTGGCGTTG	TAAATATG	CGATTCTCAA	TAAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780	
3781	ACTGGTAAGA	ATTGTATYAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840	
3841	TCCGGTGTIT	ATTCTTATTT	AACGCTTAT	TTATCACACG	GTCGGTATTT	CAAAACCATTA	3900	
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTGTA	AAAAGTTTTT	ACGCGTTCTT	3960	
3961	TGCTTTGCGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020	
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACAT	TGACTCTTCT	4080	
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140	
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC	4200	
4201	ATTAATAAAG	GTAAATCAAA	TGAAATTTGT	AAATGTAATT	AAITTTGTTT	TCTTGATGTT	4260	
4261	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AAITTCGCTC	TGCGCGATTT	4320	
4321	TGTAACCTTG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAGAGG	4380	
4381	TACTGTTACT	GTATATTCAT	CTGACGTTAA	ACCTGAAAAAT	CTACGCAATT	TCTTTATTTT	4440	
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAAGTA	4500	
4501	TGTAACCAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560	
4561	TGATAATTCC	GCYCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAAC	4620	
4621	TTTTAAAAAT	AATAACGTTT	GGGCAAGGGA	TTTAATACGA	GTTGTCGAAT	TGTTTGTAAG	4680	
4681	GTCTAATACT	TCTAAATCCT	CAAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740	
4741	TAGTGACCTT	AAAGATATTT	TAGATAACCT	TCTCTCAATT	CTTTCTACTG	TTGATTTGCC	4800	
4801	AACTGACCA	ATATTGATTG	AGGGTTTGT	ATTTGAGGTT	CAGCAAGGTT	ATGCTTTAGA	4860	
4861	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACCTGTTGCA	GGCGGTGTTA	ATACTGACCG	4920	
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTGCTTCCGT	ATTTTTAATG	GCGATGTTTT	4980	
4981	AGGGCTATCA	GTTCCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAAATATTGT	CTGTGCCACG	5040	
5041	TATTCCTACG	CTTTCAGGTC	AGAAGGGTTT	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100	
5101	TGTAAGTCTG	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTTCAGA	CGATTGAGCG	5160	
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220	
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280	
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	5340	
5341	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400	
5401	AATCCCTTTA	ATCGGCCCTC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460	
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATT	AGCGCGGCGG	5520	
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACCTTGCCAG	CGCCCTAGCG	CCCCTCTCTT	5580	
5581	TCGCTTTCTT	CCCTTCTCTT	CTCGCCACGT	TCGCGGCTT	TCCCGTCAA	GCTCTAAATC	5640	
5641	GGGGGCTCCC	TTTAGGTTT	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAAGTTG	5700	
5701	ATTTGGGTGA	TGGTTTACGT	AGTGGGCTAT	CGCCCTGATA	GACGGTTTTT	CGCCCTTTGA	5760	
5761	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCCA	AACTGGAACA	ACACTCAACC	5820	
5821	CTATCTCGGG	CTATTCTTTT	GATTTATAAG	GGATTTTGCC	GATTTGCGAA	CCACCATCAA	5880	
5881	ACAGGATTTT	CGCTGCTGG	GGCAAACCA	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940	
5941	CCAGGCGGTG	AAAGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCTT	6000	

FIG. 2B

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8724)

Filing Date: June 5, 1995

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USPTO Customer No. 23601 (858-535-9001)

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	1	10	1	20	1	30	1	40	1	50	1	60	
6001	GGCGCCCAAT	ACGCAAACCG	CCTCTCCCCG	CGCGTTGGCC	GATTTCATTAA	TGCAGCTGGC	6060						
6061	ACGACAGGTT	TCCCAGCTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120						
6121	TCACTCATT	GGCACCACAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180						
6181	TTGTGAGCGG	ATAACAATTT	CACACGCGTC	ACTTGGCACT	GGCCGTCGTT	TTACAACGTC	6240						
6241	GTGACTGGGA	AAACCCTGGC	GTTACCCAAG	CITTTGTACAT	GGAGAAAATA	AAGTGAAACA	6300						
6301	AAGCACTATT	GCACTGGCAC	TCTTACCGTT	ACCGTTACTG	TTTACCCCTG	TGACAAAAGC	6360						
6361	CGCCCAGGTC	CAGCTGCTCG	AGTCAGGCCT	ATTGTGCCCA	GGGGATTGTA	CTACTGGATC	6420						
6421	CTAGGCTGAA	GGCGATGACC	CTGCTAAGGC	TGCATTCAAT	AGTTTACAGG	CAAGTGCTAC	6480						
6481	TGAGTACATT	GGCTACGCTT	GGGCTATGGT	AGTAGTTATA	GTTGGTGCTA	CCATAGGGAT	6540						
6541	TAAATTATTC	AAAAAGTTTA	CGAGCAAGGC	TTCTTAAGCA	ATAGCGAAGA	GGCCCGCACC	6600						
6601	GATCGCCCTT	CCCAACAGTT	GCGCAGCCTG	AATGGCGAAT	GGCGCTTTGC	CTGGTTTCCG	6660						
6661	GCACCAGAAG	CGGTGCCGGA	AAGCTGGCTG	GAGTGCATC	TTCCTGAGGC	CGATACGGTC	6720						
6721	GTGCTCCCTT	CAAACTGGCA	GATGCACGGT	TACGATGCGC	CCATCTACAC	CAACGTAACC	6780						
6781	TATCCCATTA	CGGTCAATCC	GCCGTTTGT	CCCACGGAGA	ATCCGACGGG	TTGTTACTCG	6840						
6841	CTCACATTTA	ATGTTGATGA	AAGCTGGCTA	CAGGAAGGCC	AGACGCGAAT	TATTTTGTAT	6900						
6901	GGCGTTCCTA	TTGGTTAAAA	AATGAGCTGA	TTTAACAAAA	ATTTAACCGG	AATTTTAAAC	6960						
6961	AAATATTAAAC	GTTTACAATT	TAAATATTTG	CTTATACAAT	CTTCCTGTTT	TTGGGGCTTT	7020						
7021	TCTGATTATC	AACCGGGGTA	CATATGATTG	ACATGCTAGT	TTTACGATTA	CCGTTTCATCG	7080						
7081	ATTCTCTTGT	TTGCTCCAGA	CTCTCAGGCA	ATGACCTGAT	AGCCTTTGTA	GATCTCTCAA	7140						
7141	AAATAGCTAC	CCTCTCCGGC	ATTAATTTAT	CAGCTAGAAC	GGTTGAATAT	CATATTGATG	7200						
7201	GTGATTTGAC	TGCTCTCCGC	CTTTCTCACC	CTTTTGAATC	TTTACCTACA	CATTACTCAG	7260						
7261	GCATTGCATT	TAAAATATAT	GAGGGTTCTA	AAAAATTTTA	TCCTTGCGTT	GAAATAAAGG	7320						
7321	CTTCTCCCGC	AAAAGTATTA	CAGGGTCATA	ATGTTTTTGG	TACAACCGAT	TTAGCTTTAT	7380						
7381	GCTCTGAGGC	TTTATTGCTT	AATTTTGCTA	ATTCCTTGCC	TTGCCTGTAT	GATTTATTGG	7440						
7441	ACGTT						7445						
	1	10	1	20	1	30	1	40	1	50	1	60	

FIG. 2C

Title: Surface Expression Libraries of Heteromeric Receptors  
 Inventor: William D. Huse  
 Serial No.: 08/471,622 (Confirmation No. 8720)  
 Filing Date: June 5, 1995  
 Attorney Docket: P-DX 1613  
 USPTO Customer No. 23601 (858-535-9001)

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	1	10	1	20	1	30	1	40	1	50	1	60
1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAT	60					
61	ATAGCTAAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120					
121	CGTTTCGCAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180					
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAAGATT	AGCAATTAAG	CTCTAAGCCA	240					
241	TCCGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAGG	TACTCTCTAA	TCCTGACCTG	300					
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCCGCTT	GAAGCTCGAA	TTAAAACGCG	ATATTTGAAG	360					
361	TCCTTCGGGC	TTCTCTTAA	TCTTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420					
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAAC	GTTTAAAGCA	480					
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCGCGAG	TATTGGACGC	TATCCAGTCT	540					
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600					
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660					
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720					
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTTA	CGTAGATTTT	780					
781	TCTTCCCAAC	GTCTGACITG	GTATAATGAG	CCAATTCTTA	AAATCGCATA	AGGTAAATCA	840					
841	CAATGATTAA	AGTTGAAATT	AAACCACTCT	AAGCCCAATT	TACTACTCGT	TCTGGTGTGT	900					
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAAATG	960					
961	AATATCCGGT	TCTTGTCAA	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020					
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080					
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTG	CGGATTTTCA	CACAATTTAT	1140					
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200					
1201	CAAAGATGAG	TGTTTTAGTG	TATTTCTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCTTTCGTA	1260					
1261	GTGGCAITAC	GTATTTTACC	CGTTTAAATG	AAACTTCTCT	ATGAAAAAGT	CTTTAGTCTT	1320					
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380					
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440					
1441	TGCGTGGGCG	ATGGTTGTG	TCATTTGTCG	CGCAACTATC	GGTATCAAGC	TGTTTAAAGAA	1500					
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAT	GGCTCCTTTT	GGAGCCTTTT	1560					
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCTTTTGTG	TGTTCTTTTC	1620					
1621	TATTTCTACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACTCCCATAC	AGAAAAATTC	1680					
1681	TTTACTAACG	TCTGGAAGAA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740					
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800					
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860					
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920					
1921	ATTCGCGGCT	ATACTTATAT	CAACCTCTC	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA	1980					
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040					
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACCT	TTTATACGGG	CACCTGTACT	2100					
2101	CAAGGCACTG	ACCCCGTTAA	AACCTTATTAC	CAGTACACTC	CTGTATCATC	AAAAAGCCATG	2160					
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAAG	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220					
2221	GATCCATTCT	TTTGTGAATA	TCAAGGCCAA	TGCTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280					
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340					
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400					
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460					
2461	GAAAACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520					
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580					
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAATG	GCTCAAGTCG	GTGACGGTGA	TAAATCACCT	2640					
2641	TTAATGAATA	ATTTCCGTC	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTGCGCCT	2700					
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	ATATAACTTA	2760					
2761	TYCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTGGCCACCT	TTATGTATGT	ATTTTCTACG	2820					
2821	TTTGTCTAACA	TACTGCGTAA	TAAGGAGTCT	TAAATCATGCC	AGTTCTTTTG	GGTATTCCCT	2880					
2881	TATTATTGCG	TTTCTCGGTT	TTCTTCTGG	TAACCTTGTG	CGGCTATCTG	CTTACTTTTC	2940					
2941	TTAAAAGGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTTATT	GTTTCTTGCT	CTTATTATTG	3000					

FIG. 3A

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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3001	GGCTTAACTC	AATTCCTGTG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT	3060
3061	TTGTTCAAGG	TGTTCAAGTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC	3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTTG	ACGTTAAACA	AAAATCGTT	TCTATTTTGG	3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAAC TGGA	AATTAGGCTC	TGGAAAGACG	3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT	3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCCGGAGGT	TCCGTA AAA	GCCTCGCGTT	3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTITGCTG	CTATTGGGCG	CGGTAATGAT	3420
3421	TCCTACGATG	AAAATAAAAA	CGGCTTGCTT	GTTCTCGATG	AGTGC GTAC	TTGGTTTAA	3480
3481	ACCCGTTCTT	GGAAATGATA	GGAAAGACAG	CCGATTATTT	ATTGGTTTCT	ACATGCTCGT	3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG	3600
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTCGTCGTC	TGGACAGAAT	TACTTTACCT	3660
3661	TTTGTCGGTA	CTTTATATTC	TCATTATTACT	GGCTCGAAAA	TGCCCTCTGCC	TAAATTTACAT	3720
3721	GTTGGCGTTG	TAAATATGGG	CGATTCTCAA	TAAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT	3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT	3840
3841	TCCGGTGTIT	ATTCTTATTT	AACGCCTTAT	TTATCACACG	GTCGGTATTT	CAAACCATTA	3900
3901	TAATTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTIGA	AAAAGTTTTT	ACGCGTTCTT	3960
3961	TGTCCTTGCGA	TTGGATTITG	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG	4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACATA	TGACTCTTCT	4080
4081	CAGCGTCTTA	ATCTAAGCTA	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTTCA	CTCACATATA	TTGATTATG	TACTGTTTCC	4200
4201	ATTA AAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AAATTTGTTT	TCATTGATGTT	4260
4261	TGTTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AATTCGCCTC	TGCGCGATTT	4320
4321	TGTAACITGG	TATTCAAAAG	AATCAGGCGA	ATCCGTTATT	GTTTCTCCCG	ATGTAAAAGG	4380
4381	TACTGTTACT	GTATATTCA	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCITTTATTT	4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA	4500
4501	TAATCCAAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA	4560
4561	TGATAATTCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC	4620
4621	TTTTAAATTT	AATAACGTTT	GGGCAAAAGGA	TTTAATACGA	GTTTGTGAA	TGTTTGTAAA	4680
4681	GTCTAATACT	TCTAAATCCT	CAAAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	4740
4741	TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCCTCAATTC	CTTTCTACTG	TTGATTTGCC	4800
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGTAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTTGA	4860
4861	TTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CACCTGTTGA	GGCGGTGTTA	ATACTGACCG	4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTGCTTCGGT	ATTTTTAATG	GGGATGTTTT	4980
4981	AGGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	5040
5041	TATTCITACG	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT	5100
5101	TACTGGTCCG	GTGACTGGTG	AATCTGCCAA	TGTAAATAAT	CCATTTTACA	CGATTGAGCG	5160
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT	5220
5221	TCTGGATATT	ACCAGCAAGG	CCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT	5280
5281	TACTAATCAA	AGAAGTATTG	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	5340
5341	CGGTGGCCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCGT	TCCTGTCTAA	5400
5401	AATCCCTTTA	ATCGGCCCTCC	TGTTTAGCTC	CCGCTCTGAT	TCCAACGAGG	AAAGCACGTT	5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CAC TTGCCAG	CGCCCTAGCG	CCCGCTCCTT	5580
5581	TCGCTTTCTT	CCCTTCTCTT	CTCGCCACGT	TCGCGGCTT	TCCCGTCAA	GCTCTAAATC	5640
5641	GGGGGCTCCC	TTTAGGGTTT	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAACTTG	5700

FIG. 3B

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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5701	ATTTGGGTGA	TGGTTCACGT	AGTGGGCCAT	CGCCCTGATA	GACGGTTTTT	CGCCCTTTGA	5760
5761	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCCA	AACTGGGAACA	ACACTCAACC	5820
5821	CTATCTCGGG	CTATTCTTTT	GATTTATAAG	GGATTTTGCC	GATTTGGAAC	CCACCATCAA	5880
5881	ACAGGATTTT	CGCCTGCTGG	GGCAAACCA	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG	5940
5941	CCAGGCGGTG	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCCT	6000
6001	GGCGCCCAAT	ACGCAAACCG	CCTCTCCCGG	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060
6061	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120
6121	TCACTCATTA	GGCACCCTAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180
6181	TTGTGAGCGG	ATAACAATTT	CACACGCCAA	GGAGACAGTC	ATAATGAAAT	ACCTATTGCC	6240
6241	TACGGCAGCC	GCTGGATTGT	TATTACTCGC	TGCCCAACCA	GCCATGGCCG	AGCTCGTGAT	6300
6301	GACCCAGACT	CCAGATATCC	AACAGGAATG	AGTGTTAATT	CTAGAACGCG	TCACTTGGCA	6360
6361	CTGGCCGTCT	TTTTACAACG	TGCTGACTGG	GAAAACCCCTG	GCGTTACCCA	AGCTTAATCG	6420
6421	CCTTGACAGAA	TTCCCTTTTC	CCAGCTGGCG	TAATAGCGAA	GAGGCCCGCA	CCGATCGCCC	6480
6481	TTCCCAACAG	TTGCGCAGCC	TGAATGGCGA	ATGGCGCTTT	GCCTGGTTTC	CGGCACCAGA	6540
6541	AGCGGTGCCG	GAAAGCTGGC	TGGAGTGGCA	TCTTCCTGAG	GCCGATACGG	TCGTCTGCCC	6600
6601	CTCAAACCTG	CAGATGCACG	GTTACGATGC	GCCCATCTAC	ACCAACGTAA	CTATCCCAT	6660
6661	TACGGTCAAT	CCGCCGTTTG	TTCCACCGGA	GAATCCGACG	GGTTGTTACT	CGCTCACATT	6720
6721	TAATGTTGAT	GAAAGCTGGC	TACAGGAAGG	CCAGACGCGA	ATTATTTTGG	ATGGCGTTCC	6780
6781	TATTGGTTAA	AAAATGAGCT	GATTAAACAA	AAATTTAACG	CGAATTTTAA	CAAAATATTA	6840
6841	ACGTTTACAA	TTTAAATATT	TGCTTAATACA	ATCTTCCTGT	TTTTGGGGCT	TTTCTGATTA	6900
6901	TCAACCGGGG	TACATATGAT	TGACATGCTA	GTTTTACGAT	TACCGTTTAT	CGATTCTCTT	6960
6961	GTTTGCTCCA	GACTCTCAGG	CAATGACCTG	ATAGCCTTTG	TAGATCTCTC	AAAAATAGCT	7020
7021	ACCCTCTCCG	GCATTAATTT	ATCAGCTAGA	ACGGTTGAAT	ATCATATTGA	TGGTGATTTG	7080
7081	ACTGTCTCCG	GCCTTTCTCA	CCCTTTTGAA	TCTTTACCTA	CACATTACTC	AGGCATTGCA	7140
7141	TTTAAATAT	ATGAGGGTTC	TAAAAATTTT	TATCCTTGCG	TTGAAATAAA	GGCTTCTCCC	7200
7201	GCAAAAGTAT	TACAGGGTCA	TAATGTTTTT	GGTACAACCG	ATTTAGCTTT	ATGCTCTGAG	7260
7261	GCTTTATTGC	TTAATTTTGC	TAATTCCTTG	CCTTGCCCTGT	ATGATTTATT	GGATGTT	7317

FIG. 3C

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8726)

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1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTGCGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTCCGAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAAACATGT	TGAGCTACAG	CACCAGATTG	AGCAATTAAG	CTCTAAGCCA	240
241	TCCGCAAAAA	TGACCTCTTA	TCAAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TAAAAACGCG	ATATTTGAAG	360
361	TCYTTCCGGC	TTCTCTTAA	TCYTTTGTAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTTCTGT	TTTCTGAACT	GTITAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCGCGAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCTGTCTGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGAATTT	780
781	TCTTCCCAAC	GTCTGACTGT	GTATAATGAG	CCAGTTCTTA	AAATCGATAA	AGGTAATTC	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	CTTGTCAAG	ATTACTTGTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTG	1020
1021	TGTACACCGT	TCATCTGTCC	TCTTTCAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATGACC	1080
1081	GTCTGCGCCT	CGTTCGCGCT	AAGTAACATG	GAGCAGGTG	CGGATTCGTA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAAGATGAG	TGTTTTAGTG	TATTTCTTTC	CCTCTTTCTG	TTTAGGTTGG	TGCTTCTGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAAATG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAAGCCTCT	GTAGCCGTTG	CTACCCCTCGT	TCCGATGCTG	TCTTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGTTGTGTT	TCATTGTCTG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA	1500
1501	ATTACCTCTG	AAAGCAAGCT	GATAAACCGA	TACAATTAAT	GGCTCTCTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTGCGAA	TTCTCTTAGT	TGTTCTTTTC	1620
1621	TATTTCTACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AAACCCATAC	AGAAAAATTC	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTGTG	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCGGGGCT	ATACCTATAT	CAACCTCTC	GACGGCACCT	ATCCGCTG	TACTGAGCAA	1980
1981	AAACCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCAATTAACG	TTTATACGGG	CACCTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTGAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCT	TTTGTGAATA	TCAAGGCCAA	TGCTCTGACC	TGCTTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGGG	GCTCTGGTGG	TGGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCCGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAACGCT	AAATAAGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAGACGCGC	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTTAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAAATG	GCTCAAGTCT	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCC	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AAATAAATTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCGGT	2880
2881	TATTTATTGG	TTTCTCTGGT	TTCTTTCTGG	TAACCTTTGT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CCTGTTCTTT	GCTCTTATTA	TTGGGCTTAA	3000

FIG. 4A



Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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	1	10	20	30	40	50	60	
3001	CTCAATTCCT	GTGGGTTATC	TCTCTGATAT	TAGCGCTCAA	TTACCCCTCTG	ACTTTTGTTC	3060	
3061	GGGTGTTTCAG	TTAATTCCTCC	CGTCTAATGC	GCTTCCCTGT	TTTTATGTTA	TTCTCTCTGT	3120	
3121	AAAGGCTGCT	ATTTTCATTT	TTGACGTTAA	ACAAAAAATC	GTTTCTTATT	TGGATTGGGA	3180	
3181	TAAATAATAT	GGCTGTTTAT	TTTGTAACCTG	GCAAAATTAGG	CTCTGGAAAG	ACGCTCGTTA	3240	
3241	GCGTTGGTAA	GATTCAGGAT	AAAAATTGTAG	CTGGGTGCAA	AATAGCAACT	AATCTTGATT	3300	
3301	TAAGGCTTCA	AAACCTCCCG	CAAGTCGGGA	GGTTCGCTAA	AACGCTCGC	GTTCTTAGAA	3360	
3361	TACCGGATAA	GCCTTCTATA	TCTGATTTCG	TTGCTATTGG	GCGCGTAAT	GATTCCTACG	3420	
3421	ATGAAAAATA	AAACGGCTTG	CTTGTCTCTG	ATGAGTGGCG	TACTTGGTTT	AATACCGGTT	3480	
3481	CTTGGAATGA	TAAGGAAAGA	CAGCCGATTA	TTGATTGGTT	TCTACATGCT	CGTAAATTAG	3540	
3541	GATGGGATAT	TATTTTCTT	GTCAGGACT	TATCTATTGT	TGATAAACAG	GCGCGTTCTG	3600	
3601	CATTAGCTGA	ACATGTTGTT	TATTGTCTGT	GTCTGGACAG	AATTACTTTA	CCTTTTGTCT	3660	
3661	GTACTTTTATA	TTCTCTTATT	ACTGGCTCGA	AAATGCCTCT	GCCTAAATTA	CATGTTGGCG	3720	
3721	TTGTTAAATA	TGGCGATTCT	CAATTAAGCC	CTACTGTTGA	GCGTTGGCTT	TATACTGGTA	3780	
3781	AGAATTGTA	TAAACGATAT	GATACATAAC	AGGCTTTTTC	TAGTAATTAT	GATTCTCGGTG	3840	
3841	TTTATCTTAA	TTTAAACGCT	TATTTATCAC	ACGGTCCGTA	TTTCAAAACCA	TTAAATTAG	3900	
3901	GTCAGAAAGAT	GAAGCTTACT	AAAATATATT	TGAAAAAGTT	TTACAGCGTT	CTTGTCTTGT	3960	
3961	CGATTGGATT	TGCATCAGCA	TTTACATATA	GTTATATAAC	CCAACCTAAG	CCGGAGGTTA	4020	
4021	AAAAGGTAGT	CTCTCAGACC	TATGATTTTG	ATAAATTAC	TATTGACTCT	TCTCAGCGTC	4080	
4081	TTAATCTAAG	CTATCGCTAT	GTTTTCAAGG	ATTCTAAGGG	AAAATTAAAT	AATAGCGACG	4140	
4141	ATTTACAGAA	GCAAGGTTAT	TCACTCACAT	ATATTGATTT	ATGTAAGTTT	TCCATTAAAA	4200	
4201	AAGGTAATTC	AAATGAAATT	GTTAAATGTA	ATTAATTTTG	TTTTCTTGAT	GTTTGTTCCT	4260	
4261	TCATCTTCTT	TTGCTCAGGT	AATTGAAATG	AATAATTCGC	CTCTGCGCGA	TTTTGTAACT	4320	
4321	TGGTATTCAA	AGCAATCAGG	CGAATCCGTT	ATTGTTTCTC	CCGATGTAAA	AGGTACTGTT	4380	
4381	ACTGTATATT	CATCTGACGT	TAAACCTGAA	AATCTACGCA	ATTCTTTTAT	TTCTGTTTTA	4440	
4441	CGTGCCTAATA	ATTTTGATAT	GGTTGGTTCA	ATTCTTCCA	TAATTCAGAA	GTATAATCCA	4500	
4501	AACAATCAGG	ATTATATTGA	TGAATTGCCA	TCACTGTATA	ATCAGGAATA	TGATGATAAT	4560	
4561	TCCGCTCCTT	CTGGTGGTTT	CTTTGTTCCG	CAAAATGATA	ATGTTACTCA	AACCTTTAAA	4620	
4621	ATTAATTAACG	TTGCGGCAAA	GGATTTAATA	CGAGTTGTG	AATTGTTTGT	AAAGCTTAAT	4680	
4681	ACTTCTAAAT	CCTCAAAATG	ATTATCTATT	GACGGCTCTA	ATCTATTAGT	TGTTAGTGCA	4740	
4741	CCTAAAGATA	TTTTAGATAA	CCTTCTCTAA	TTCTTTCTA	CTGTGATTGT	GCCAACTGAC	4800	
4801	CAGATATTGA	TTGAGGGTTT	GATATTGAG	GTTCAGCAAG	GTGATGCTTT	AGATTTTTCA	4860	
4861	TTTGCTGCTG	GCTCTCAGCG	TGGCACTGTT	GCAAGGCGTG	TTAATACTGA	CCGCCTCACC	4920	
4921	TCGTGTTTTAT	CTTCTGCTGG	TGGTTCGTTT	GGTATTTTAA	ATGGCGATGT	TTTAGGGCTA	4980	
4981	TCAGTTCGCG	CATTAAAGAC	TAATAGCCAT	TCAAAAAATA	TGCTGTGTC	ACGTATTCTT	5040	
5041	ACGCTTTCAG	GTCAGAAAGG	TTCTATCTCT	GTTGGCCAGA	ATGTCCTTTT	TATTACTGGT	5100	
5101	CCTGTGACTG	GTGAATCTGC	CAATGTAAT	AATCCATTTC	AGACGATTGA	GCGTCAAAAT	5160	
5161	GTAGGTATTT	CCATGAGCGT	TTTTCTGTT	GCAATGGCTG	GCGGTAATAT	TGTTCTGGAT	5220	
5221	ATTACCAGCA	AGGCCGATAG	TTTGAGTTCT	TCTACTCAGG	CAAGTGATGT	TATTACTAAT	5280	
5281	CAAAGAAGTA	TTGCTACAAC	GGTTAATTTG	CGTGATGGAC	AGACTCTTTT	ACTCGGTGGC	5340	
5341	CTCACTGATT	ATAAAAAACAC	TTCTCAAGAT	TCTGGCGTAC	CGTTCTGTCT	TAAAAATCCCT	5400	
5401	TTAATCGGCC	TCCTGTTTAT	CTCCCGCTCT	GATTCCAACG	AGGAAAGCAC	GTTATACGTG	5460	
5461	CTCGTCAAAG	CAACCATAGT	ACGCGCCCTG	TAGCGGCGCA	TTAAGCGCGG	CGGGTGTGGT	5520	
5521	GGTTACGCGC	AGCGTGACCG	CTACACTTGC	CAGCGCCCTA	GCGCCCGCTC	CTTTCTGCTT	5580	
5581	CTTCCCTTCC	TTTCTCGCCA	GTTCTGCGCG	CTTTCCCGGT	CAAGCTCTAA	ATCGGGGCGT	5640	
5641	CCCTTTAGGG	TTCCGATTTA	GTGCTTTACG	GCACCTCGAC	CCCAAAAAAC	TTGATTTGGG	5700	
5701	TGATGGTTCA	CGTAGTGGGC	CATCGCCCTG	ATAGACGGTT	TTTCCGCCCT	TGACGTTGGA	5760	
5761	GTCCACGTTT	TTTAATAGTG	GACTCTTGTT	CCAAACTGGA	ACAACACTCA	ACCTATCTC	5820	
5821	GGGCTATTCT	TTTGATTTAT	AAGGSAATTT	GCCGATTTCG	GAACCAACAT	CAAAACAGGAT	5880	
5881	TTTCCCTGTC	TGGGGCAAC	CAGCGTGGAC	CGCTTGCTGC	AACTCTCTCA	GGGCCAGGCG	5940	
5941	GTGAAGGGCA	ATCAGCTGTT	GCCCTCTCTG	CTGGTGAAAA	GAAAAAACAC	CCTGGGCGCC	6000	

FIG. 4B

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Husc

Serial No.: 08/471,622 (Confirmation No. 87)

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6001	AATACGCAAA	CGGCTCTCC	CGCGCGTTG	GCCGATTCAT	TAATGCAGCT	GGCACGACAG	6060
6061	GTTTCCCGAC	TGGAAAGCGG	GCAGTGAGCG	CAACGCAATT	AATGTGAGTT	AGCTCACTCA	6120
6121	TTAGGCACCC	CAGGCTTTAC	ACTTTATGCT	TCCGGCTCGT	ATGTTGTGTG	GAATTGTGAG	6180
6181	CGGATAACAA	TTTCACACGC	CAAGGAGACA	GTCATAATGA	AATACCTATT	GCCTACGGCA	6240
6241	GCCGCTGGAT	TGTTATTACT	CGCTGCCCAA	CCAGCCATGG	CCGAGCTCTT	CCCGCCATCT	6300
6301	GATGAGCAGT	TGAAATCTGG	AACTGCCCTCT	GTTGTGTGCC	TGCTGAATAA	CTTCTATCCC	6360
6361	AGAGAGGCCA	AAGTACAGTG	GAAGGTGGAT	AACGCCCTCC	AATCGGGTAA	CTCCCAGGAG	6420
6421	AGTGTCACAG	AGCAGGACAG	CAAGGACAGC	ACCTACAGCC	TCAGCAGCAC	CCTGACGCTG	6480
6481	AGCAAGCAG	ACTACGAGAA	ACACAAAGTC	TACGCCTGCG	AAGTCACCCA	TCAGGGCCTG	6540
6541	AGCTCGCCCG	TCACAAAGAG	CTTCAACAGG	GGAGAGTGTT	CTAGAACGCG	TCACTTGCCA	6600
6601	CTGGCCGTCG	TTTTACAACG	TGCTGACTGG	GAAAACCCTG	GCGTTACCCA	AGCTTAATCG	6660
6661	CCTTGACAGAA	TTCCCTTTTCG	CCAGCTGGCG	TAATAGCGAA	GAGGCCCGCA	CCGATCGCCC	6720
6721	TTCCCAACAG	TTGCGCAGCC	TGAATGGCGA	ATGGCGCTTT	GCCTGGTTTC	CGGCACCAGA	6780
6781	AGCGGTGCCG	GAAAGCTGGC	TGGAGTGCGA	TCTTCCTGAG	GCCGATACGG	TCGTCTGTCC	6840
6841	CTCAAACCTGG	CAGATGCACG	GTTACGATGC	GCCCATCTAC	ACCAACGTAA	CCTATCCCAT	6900
6901	TACGGTCAAT	CCGCCGTTTG	TTCCACGGGA	GAATCCGACG	GGTGTACT	CGCTCACATT	6960
6961	TAATGTTGAT	GAAAGCTGGC	TACAGGAAGG	CCAGACGCGA	ATTATTTTTC	ATGGCGTTCC	7020
7021	TATTGGTTAA	AAAATGAGCT	GATTTAACAA	AAATTTAACG	CGAATTTTAA	CAAAATATTA	7080
7081	ACGTTTACAA	TTTAAATATT	TGCTTATACA	ATCTTCCTGT	TTTTGGGGCT	TTTCTGATTA	7140
7141	TCAACCGGGG	TACATATGAT	TGACATGCTA	GTTTTACGAT	TACCGTTTAT	CGATTCTCTT	7200
7201	GTTTGCTCCA	GACTCTCAGG	CAATGACCTG	ATAGCCTTTG	TAGATCTCTC	AAAAATAGCT	7260
7261	ACCTCTCCCG	GCAATTAATT	ATCAGCTAGA	ACGTTTGAAT	ATCATATTGA	TGGTGATTTG	7320
7321	ACTGTCTCCG	GCCTTTCTCA	CCCTTTTGAA	TCTTTACCTA	CACATTACTC	AGGCAATTGCA	7380
7381	TTTAAATAT	ATGAGGGTTC	TAAAAATTTT	TATCCTTGCG	TTGAAATAAA	GGCTTCTCCC	7440
7441	GCAAAAGTAT	TACAGGGTCA	TAATGTTTTT	GGTACAACCG	ATTTAGCTTT	ATGCTCTGAG	7500
7501	GCTTTATTGC	TTAATTTTGC	TAATTCCTTG	CCTTGCCTGT	ATGATTTATT	GGATGTT	7557

FIG. 4C

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTITGCGA	AATGATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTTCGAGA	ATTGGGAATC	AACTGTTACA	TGGAATGAAA	CTCCAGACA	CCGTACTTTA	180
181	GTTGCATATT	TAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TAAAAACGG	ATATTTGAAG	360
361	TCITTCGGGC	TTCTCTTAA	TCITTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCGCGAG	TATTTGACCG	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTTATC	GTCGTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CCGTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCCTGACTG	GTATAATGAG	CCAGTTCCTA	AAATCGCATA	AGGTAAITCA	840
841	CAATGATTAA	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTIT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAAAG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCATCTGTCC	TCITTTCAAAG	TTGGTCAGTT	CGGTTCCTTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCCGGCT	AAGTAACATG	GAGCAGGTGCG	CGGATTTCTGA	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATCTTTTCG	CCTCTTTCGT	TTTAGGTTGG	TGCTTTCGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCCTCGT	TCCGATGCTG	TCTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTTG	TCATTTGTCGG	CGCAACTATC	GGTATCAAGC	TGTTTAAAGAA	1500
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGAGAG	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCCCTTAGT	TGTTCTCTTC	1620
1621	TATTTCACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AACCCCATAT	AGAAAAITCA	1680
1681	TTTACTAACG	TCTGAAAAGA	CGACAAAACCT	TTAGATCGTT	ACGCTAATA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCTTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCGCGGCT	ATACTTATAT	CAACCTCTCT	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA	1980
1981	AACCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAAATAATA	GGTTCCGAAA	TAGGCAGGGG	GCATTAACCTG	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACTG	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTGAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCTG	TTTGTGAATA	TCAAGGCCAA	TGCTCTGACC	TGCCTCAACC	TCCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGTTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCGGGT	2400
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAAACGCG	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGCCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAAAATG	GCTCAAGTCTG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AATAAACTTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCITTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGTCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	AGTTCTTTTG	GGTATTCCGT	2880
2881	TATTAATGCG	TTTCTCTGCT	TTCTTTCTGG	TAACITTTGT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTTCATT	GTTTCTTGCT	GTTATTATTG	3000

FIG. 5A

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Husc

Serial No.: 08/471,622 (Confirmation No. 8728)

Filing Date: June 5, 1995

Attorney Docket: P-IX 1613

USPTO Customer No. 23601 (858-535-9001)

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	10	20	30	40	50	60	
3001	GGCTTAAC	AATTCTTG	GGTTATCT	CTGATATT	CGCTCAAT	CCCTCTGA	3060
3061	TTGTTCA	TGTTCA	ATTCTCCG	CTAATGCG	TCCCTGTT	TATGTTAT	3120
3121	TCTCTGT	GGCTGCTA	TTCAATTT	ACGTTAA	AAAAATCG	TCTTATTT	3180
3181	ATTGGGA	ATAATATG	TGTTTATT	GTAAGTGG	AATTAGGC	TGGAAAG	3240
3241	CTCGTTA	TTGGTAAG	TCAGGATA	ATTGTAGC	GGTGCAAA	AGCAACTA	3300
3301	CTTGATTT	GGCTTCA	CCTCCGCA	GTCCGGAG	TCGCTAAA	GCCTCGCG	3360
3361	CTTAGAAT	CGGATAAG	TTCTATAT	GATTGCTT	CTATTGGG	CGGTAATG	3420
3421	TCCTACGA	AAAAATA	CGGCTTG	GTCTCGAT	AGTGCGGT	TTGGTTAA	3480
3481	ACCCGTT	GGAATGAT	GGAAAGAC	CCGATTAT	ATTGTTTT	ACATGCTC	3540
3541	AAATTAGG	GGGATATT	TTTTCTTG	CAGGACTT	CTATTGTT	TAAACAGG	3600
3601	CGTTCTGC	TAGCTGA	TGTTGTTT	TGTCGTCT	TGGACAGA	TACTTTAC	3660
3661	TTTGTCGG	CTTTATAT	TCTTATT	GGCTCGAA	TGCTCTGC	TAAATTAC	3720
3721	GTTGGCGT	TTAAATAT	CGATTCTC	TAAAGCC	CTGTTGAG	TTGGCTTT	3780
3781	ACTGGTA	ATTTGTAT	CGCATATG	ACTAAAC	CTTTTCTA	TAATTATG	3840
3841	TCCGGTGT	ATTCCTAT	AACGCTTA	TATCACAC	GTCCGTAT	CAAACTAT	3900
3901	AATTAGGT	AGAAGATG	GCTTACTA	ATATATTG	AAAAGTTT	ACGCGTCT	3960
3961	TGCTTGCG	TTGGATTT	ATCAGCAT	ACATATAG	ATATAACC	ACCTAAGC	4020
4021	GAGGTTAA	AGGTAGTC	TCAGACCT	GATTTTG	AATTCAC	TGACTCTT	4080
4081	CAGCGTCT	ATCTAAG	TCGCTATG	TTCAAGGA	CTAAGGGA	ATTAATTA	4140
4141	AGCGACGA	TACAGAAG	AGGTTATT	CTCACATA	TTGATTT	TACTGTTT	4200
4201	ATTAATA	GTAATTC	TGAAATGT	AAATGTAA	AATTTTGT	TCTTGATG	4260
4261	TGTTTCAT	TCITCTTT	CTCAGGTA	TGAAATGA	AATTCGCC	TGCGCGAT	4320
4321	TGTAACCT	TATTCAA	AATCAGCG	ATCCGTT	GTTCCTCC	ATGTAAGG	4380
4381	TACTGTTA	GTATATTC	CTGACGTT	ACCTGAA	CTACGCA	TCTTTATT	4440
4441	TGTTTTAC	GCTAATA	TTGATATG	TGGTTCA	CCTTCCAT	TTCAGAAG	4500
4501	TAAATCAA	AATCAGG	ATATTGAT	ATTGCCAT	TCTGATA	AGGAATAT	4560
4561	TGATAATT	GCTCCTTC	GTGGTTCT	TGTTCCG	AATGATA	TTACTCAA	4620
4621	TTTTAAAT	AATAACGT	GGGCAAGG	TTTAATAC	GTGTGCA	TGTTTGTA	4680
4681	GTCTAATA	TCTAAATC	CAAAATGT	ATCTATTG	GGCTCTAA	TATTAGTT	4740
4741	TAGTGCAC	AAAGATAT	TAGATAAC	TCTCAATT	CTTTCTAC	TTGATTGG	4800
4801	AACTGACC	ATATTGAT	AGGGTTTG	ATTTGAG	CAGCAAGG	ATGCTTTA	4860
4861	TTTTTCA	GCTGCTGG	CTCAGCGT	CACTGTTG	GGCGGTGT	ATACTGAC	4920
4921	CCTCACCT	GTTTTATC	CTGCTGGT	TTGCTTGG	ATTTTAA	GCGATGTT	4980
4981	AGGGCTAT	GTTCGCG	TAAAGACT	TAGCCATT	AAAATATT	CTGTGCCA	5040
5041	TATCTTAC	CTTTCAGG	AGAAGGGT	TATCTCTG	GGCCAGA	TCCCTTTT	5100
5101	TACTGGTC	GTGACTGG	AATCTGCC	TGTAATA	CCATTTC	CGATTGAG	5160
5161	TCAAAATG	GGTATTT	TGAGCGTT	TCCTGTTG	ATGGCTGG	GTAATATT	5220
5221	ICTGGATAT	ACCAGCA	CCGATAGT	GAGTTCCT	ACTCAGGC	GTGATGTT	5280
5281	TACTAATC	AGAAGTAT	CTACAACG	TAATTTGC	GATGGACA	CTCTTTT	5340
5341	CGGTGGCC	ACTGATT	AAAACACT	TCAAGATT	GGCGTACC	TCTGTCTA	5400
5401	AATCCCTT	ATCGGCTC	TGTTTAGC	CCGCTCTG	TCCAACGA	AAAGCACG	5460
5461	ATACGTGC	GTCAAAGC	CCATAGTC	CGCCCTGT	CGGCGCAT	AGCGCGCG	5520
5521	GTGTGGTG	TACGCGCA	GTGACCG	CACTTGCC	CGCCCTAG	CGCCCTCT	5580
5581	TCGCTTT	CCCTTCCT	CTCGCCAC	TGCGCGGT	TCCCGTCA	GCTCTAA	5640
5641	GGGGGCTC	TTTAGGGT	CGATTTAG	CTTTACGG	CCTCGAC	AAAAAACT	5700
5701	ATTTGGGT	TGGTTACG	AGTGGGCA	CGCCCTGA	GACGGT	CGCCCTTG	5760
5761	CGTTGGAG	CACGTTCT	AATAGTGG	TCTTGTT	AACTGGA	ACACTCA	5820
5821	CTATCTCG	CTATTTCT	GATTTATA	GGATTTTG	GATTTGGA	CCACCAT	5880
5881	ACAGGATTT	CGCCTGCT	GGCAAAAC	CGTGGACC	TTGCTGCA	TCTCTCA	5940
5941	CCAGGCGGT	AAGGCAAT	AGCTGTTG	CGTCTCG	GTGAAAGA	AAACCACC	6000

FIG. 5B

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Husc

Serial No.: 08/471,622 (Confirmation No. 8724)

Filing Date: June 5, 1995

Attorney Docket: P-JX 1613

USPTO Customer No. 23601 (858-535-9001)

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	1	10	20	30	40	50	60	
6001	GGCGCCCAAT	ACGCAAACCG	CCTCTCCCGG	CGCGTTGGCC	GATTCATTAA	TGCAGCTGGC	6060	
6061	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120	
6121	TCACTCATT	GGCACCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180	
6181	TTGTGAGCGG	ATAACAATTT	CACACGCGTC	ACTTGGCACT	GGCCGTCGTT	TTACAACGTC	6240	
6241	GTGACTGGGA	AAACCTGGC	GTTACCCAAG	CTTTGTACAT	GGAGAAAATA	AAGTGAACA	6300	
6301	AAGCACTATT	GCACTGGCAC	TCTTACCGTT	ACTGTTTACC	CCTGTGGCAA	AAGCCCAAGT	6360	
6361	CCAGCTGCTC	GAGTCGGTCT	TCCCCCTGGC	ACCCCTCTCC	AAGAGCACCT	CTGGGGGCAC	6420	
6421	AGCGGCCCTG	GGCTGCCTGG	TCAAGACTAA	TTCCCCGAAC	CGGTGACGGT	GTGCTGGAAC	6480	
6481	TCAGGCGCCC	TGACCAGCGG	CGTGACACAC	TTCCCCGGCTG	TCCTACAGTC	CTCAGGACTC	6540	
6541	TACTCCCTCA	GCAGCGTGCT	GACCGTGCCC	TCCAGCAGCT	TGGGCACCCA	GACCTACATC	6600	
6601	TGCAACGTGA	ATCACAAGCC	CAGCAACACC	AAGGTGGACA	AGAAAGCAGA	GCCCAATCT	6660	
6661	TGTAATAAGT	GATCCTACCC	GTACGACGTT	CCGGACTACG	CTTCTTAGGC	TGAAGGCGAT	6720	
6721	GACCCCTGCTA	AGGCTGCATT	CAATAGTTTA	CAGGCAAGTG	CTACTGAGTA	CATTGGCTAC	6780	
6781	GCTTGGGCTA	TGGTAGTAGT	TATAGTTGGT	GCTACCATAG	GGATTAAATT	ATTCAAAAAG	6840	
6841	TTTACGAGCA	AGGCTTCTTA	AGCAATAGCG	AAGAGGGCCG	CACCGATCGC	CCTTCCCAAC	6900	
6901	AGTTGCGCAG	CCTGAATGGC	GAATGGCGCT	TTGCCTGGTT	TCCGGCACCA	GAAGCGGTGC	6960	
6961	CGGAAAGCTG	GCTGGAGTGC	GATCTTCTCG	AGGCCGATAC	GGTCTGTCGT	CCCTCAAAC	7020	
7021	GGCAGATGCA	CGGTTACGAT	CGGCCATCT	ACACCAACGT	AACCTATCCC	ATTACGGTCA	7080	
7081	ATCCGCCGTT	TGTTCCCAAG	GAGAATCCGA	CGGGTTGTTA	CTCGCTCACA	TTTAATGTTG	7140	
7141	ATGAAAAGCTG	GCTACAGGAA	GGCCAGACGC	GAATTAATTT	TGATGGCGTT	CCTATTGGTT	7200	
7201	AAAAAATGAG	CTGATTTAAC	AAAAATTTAA	CGCGAATTTT	AACAAAATAT	TAACGTTTAC	7260	
7261	AATTTAAATA	TTTGCTTATA	CAATCTTCT	GTITTTGGGG	CTTTTCTGAT	TATCAACCGG	7320	
7321	GGTACATATG	ATTGACATGC	TAGTTTTACG	ATTACCGTTC	ATCGATTCTC	TTGTTTGCTC	7380	
7381	CAGACTCTCA	GGCAATGACC	TGATAGCCTT	TGTAGATCTC	TCAAAAATAG	CTACCCCTCTC	7440	
7441	CGGCATTAAT	TTATCAGCTA	GAACGGTTGA	ATATCATATT	GATGGTGATT	TGACTGTCTC	7500	
7501	CGGCCCTTCT	CACCCTTTTG	AATCTTTACC	TACACATTAC	TCAGGCATTG	CATTTAAAAAT	7560	
7561	ATATGAGGGT	TCTAAAAATT	TTTATCCCTG	CGTTGAAATA	AAGGCTTCTC	CCGCAAAAGT	7620	
7621	ATTACAGGGT	CATAATGTTT	TTGGTACAAC	CGATTTAGCT	TTATGCTCTG	AGGCTTTATT	7680	
7681	GCTTAATTTT	GCTAATCTT	TGCCTTGCCT	GATGATTTTA	TTGGACGTT		7729	
	1	10	20	30	40	50	60	

FIG. 5C

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

Serial No.: 08/471,622 (Confirmation No. 8720)

Filing Date: June 5, 1995

Attorney Docket: P-DX 1613

USPTO Customer No. 23601 (858-535-9001)

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	1	10	20	30	40	50	60
1	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CTCGCGCCCC	AAATGAAAAT	60
61	ATAGCTAAAC	AGGTTATTGA	CCATTTCGGA	AATGTATCTA	ATGGTCAAAC	TAAATCTACT	120
121	CGTTCGCAGA	ATTGGGAATC	AACGTGTACA	TGGAATGAAA	CTCCAGACA	CCGTACTTTA	180
181	GTTCATATT	TAAACATGT	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	240
241	TCTGCAAAAA	TGACCTCTTA	TCAAAAGGAG	CAATTAAGG	TACTCTCTAA	TCCTGACCTG	300
301	TTGGAGTTTG	CTTCCGGTCT	GGTTCGCTTT	GAAGCTCGAA	TTAAAACGCG	ATATTTGAAG	360
361	TCTTTCGGGC	TTCTCTTAA	TCTTTTGAT	GCAATCCGCT	TTGCTTCTGA	CTATAATAGT	420
421	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	480
481	TTTGAGGGGG	ATTCAATGAA	TATTTATGAC	GATTCGCGAG	TATTGGACGC	TATCCAGTCT	540
541	AAACATTTTA	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT	600
601	GGTTTTATC	GTCTCTGGT	AAACGAGGGT	TATGATAGTG	TTGCTCTTAC	TATGCCTCGT	660
661	AATTCCTTTT	GGCGTTATGT	ATCTGCATTA	GTTGAATGTG	GTATTCCTAA	ATCTCAACTG	720
721	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT	CGTTTAGTTC	GTTTTATTAA	CGTAGATTTT	780
781	TCTTCCCAAC	GTCTGACTG	GTATAATGAG	CCAGTTCTTA	AAATCGCATA	AGGTAAATTC	840
841	CAATGATTAA	AGTTGAAAT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTT	900
901	CTCGTCAGGG	CAAGCCTTAT	TCACTGAATG	AGCAGCTTTG	TTACGTTGAT	TTGGGTAATG	960
961	AATATCCGGT	TCTTGTCAAG	ATTACTCTTG	ATGAAGGTCA	GCCAGCCTAT	GCGCCTGGTC	1020
1021	TGTACACCGT	TCACTCTGTC	TCTTTCAAAG	TTGGTCAGTT	CGGTTCCCTT	ATGATTGACC	1080
1081	GTCTGCGCCT	CGTTCGGGCT	AAGTAACATG	GAGCAGGTCT	CGGATTTCTG	CACAATTTAT	1140
1141	CAGGCGATGA	TACAAATCTC	CGTTGTACTT	TGTTTCGCGC	TTGGTATAAT	CGCTGGGGGT	1200
1201	CAAAGATGAG	TGTTTTAGTG	TATTTCTTTC	CCTCTTCTGT	TTTAGGTTGG	TGCTTCTGTA	1260
1261	GTGGCATTAC	GTATTTTACC	CGTTTAAATG	AAACTTCCTC	ATGAAAAAGT	CTTTAGTCCT	1320
1321	CAAAGCCTCT	GTAGCCGTTG	CTACCCTCGT	TCCGATGCTG	TCTTTTCGCTG	CTGAGGGTGA	1380
1381	CGATCCCGCA	AAAGCGGCCT	TTAATCTCCT	GCAAGCCTCA	GCGACCGAAT	ATATCTGGTTA	1440
1441	TGCGTGGGCG	ATGGTTGTGG	TCAATGTCTG	CGCAACTATC	GGTATCAAGC	GTTTAAGAA	1500
1501	ATTACACTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAT	GGCTCCTTTT	GGAGCCTTTT	1560
1561	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTCGCAA	TTCTTTTATG	TGTTCTTTTC	1620
1621	TATTTCTACT	CCGCTGAAAC	TGTTGAAAGT	TGTTTAGCAA	AAACCCATAC	AGAAAAATTC	1680
1681	TTTACTAACG	TCTGGAAAGA	CGACAAAAC	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	1740
1741	CTGTGGAATG	CTACAGGCGT	TGTAGTTTGT	ACTGGTGACG	AAACTCAGTG	TTACGGTACA	1800
1801	TGGGTTCCYA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTGGCTCTGA	GGGTGGCGGT	1860
1861	TCTGAGGGTG	GCGGTTCTGA	GGGTGGCGGT	ACTAAACCTC	CTGAGTACGG	TGATACACCT	1920
1921	ATTCCGGGCT	ATACTTATAT	CAACCTCTCT	GACGGCACTT	ATCCGCTGGG	TACTGAGCAA	1980
1981	AACCCCGCTA	ATCCTAATCC	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	2040
2041	CAGAAATAATA	GGTTCCGAAA	TAGGCAAGGG	GCATTAACCT	TTTATACGGG	CACTGTTACT	2100
2101	CAAGGCACCT	ACCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC	AAAAGCCATG	2160
2161	TATGACGCTT	ACTGGAACGG	TAAATTCAGA	GACTGCGCTT	TCCATTCTGG	CTTTAATGAA	2220
2221	GATCCATTCT	TTTGTGAATA	TCAAGGCCAA	TCGTCTGACC	TGCTCAACC	TCTGTCAAT	2280
2281	GCTGGCGGCG	GCTCTGGTGG	TGGTCTGGT	GGCGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	2340
2341	GGCGGTTCTG	AGGGTGGCGG	CTCTGAGGGA	GGCGGTTCCG	GTGGTGGCTC	TGGTTCGGGT	2400
2401	GATTTTGATT	ATGAAAAAGT	GGCAACGCT	AATAAGGGGG	CTATGACCGA	AAATGCCGAT	2460
2461	GAAAAACGCG	TACAGTCTGA	CGCTAAAGGC	AAACTTGATT	CTGTGCGTAC	TGATTACGGT	2520
2521	GCTGCTATCG	ATGGTTTCAT	TGGTGACGTT	TCCGGGCTTG	CTAATGGTAA	TGGTGCTACT	2580
2581	GGTGATTTTG	CTGGCTCTAA	TTCCCAATG	GCTCAAGTCG	GTGACGGTGA	TAATTCACCT	2640
2641	TTAATGAATA	ATTTCCGTCA	ATATTTACCT	TCCCTCCCTC	AATCGGTTGA	ATGTCGCCCT	2700
2701	TTTGTCTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA	AAATAACCTA	2760
2761	TTCCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGCCACCT	TTATGTATGT	ATTTTCTACG	2820
2821	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT	TAATCATGCC	ATGGCTTTTG	GGTATTCGGT	2880
2881	TATTATTGCG	TTTCCTCGGT	TTCTTCTGG	TAACTTTGT	CGGCTATCTG	CTTACTTTTC	2940
2941	TTAAAAAGGG	CTTCGGTAAG	ATAGCTATTG	CTATTTCAAT	GTTCCTTGCT	CTTATTATTG	3000

FIG. 6A

Title: Surface Expression Libraries of Heteromeric Motors

Inventor: William D. Huse

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	1	10	20	30	40	50	60	
3001	GGCTTAACTC	AATTCTTGIG	GGTTATCTCT	CTGATATTAG	CGCTCAATTA	CCCTCTGACT		3060
3061	TTGTTACAGG	TGTTACAGTTA	ATTCTCCCGT	CTAATGCGCT	TCCCTGTTTT	TATGTTATTC		3120
3121	TCTCTGTAAA	GGCTGCTATT	TTCATTTTGG	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG		3180
3181	ATTGGGATAA	ATAATATGGC	TGTTTATTTT	GTAACCTGGCA	AATTAGGCTC	TGGAAAGACG		3240
3241	CTCGTTAGCG	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT		3300
3301	CTTGATTTAA	GGCTTCAAAA	CCTCCCGCAA	GTCCGGAGGT	TCGCTAAAC	GCCTCGCGTT		3360
3361	CTTAGAATAC	CGGATAAGCC	TTCTATATCT	GATTTGCTTG	CTATTGGGCG	CGGTAATGAT		3420
3421	TCCTACGATG	AAAAATAAAA	CGGCTTGCTT	ETTCTCGATG	AGTGCCTGAC	TGGTTTAAAT		3480
3481	ACCCGTTTCT	GGAATGATAA	GGAAAGACAG	CCGATTATTG	ATTGGTTTTCT	ACATGCTCGT		3540
3541	AAATTAGGAT	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGCG		3600
3601	CGTTCTGCA	TAGCTGAACA	TGTTGTTTAT	TGTCCTCGTC	TGGACAGAAT	TACTTTACCT		3660
3661	TTTGTGGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA	TGCCCTCGCC	TAAATTACAT		3720
3721	GTTGGCGTTG	TTAAATATGG	CGATTCTCAA	TTAAGCCCTA	CTGTTGAGCG	TTGGCTTTAT		3780
3781	ACTGGTAAGA	ATTTGTATAA	CGCATATGAT	ACTAAACAGG	CTTTTTCTAG	TAATTATGAT		3840
3841	TCCGGTGTTT	ATTTCTATTT	AACGCCITAT	TTATCACACG	GTCCGTATTT	CAAAACCATTA		3900
3901	AATTTAGGTC	AGAAGATGAA	GCTTACTAAA	ATATATTTGA	AAAAGTTTTY	ACGCGTTCCT		3960
3961	TGCTTGGCGA	TTGGATTGTC	ATCAGCATTT	ACATATAGTT	ATATAACCCA	ACCTAAGCCG		4020
4021	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT	GATTTTGATA	AATTCACAT	TGACTCTTCT		4080
4081	CAGCGTCTTA	ATCTAAGCTA	TGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT		4140
4141	AGCGACGATT	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC		4200
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATGTT	AAATGTAATT	AAATTTGTTT	TCTTGATGTT		4260
4261	TGTTTCATCA	TCCTCTTTTG	CTCAGGTAAT	TGAAATGAAT	AATTCGCTC	TGCGCGAITT		4320
4321	TGTAACCTTGG	TATTCAAAGC	AATCAGGCGA	ATCCGTTATT	GTTTTCTCCC	ATGTAAAGG		4380
4381	TACTGTTACT	GTATATTCA	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTT		4440
4441	TGTTTTACGT	GCTAATAATT	TTGATATGTT	TGGTTCAATT	CCTTCATAAA	TTCAGAAGTA		4500
4501	TAATCCAAAC	AATCAGGATT	ATATTGATGA	ATTGCCATCA	TCTGATAATC	AGGAATATGA		4560
4561	TGATAAATCC	GCTCCTTCTG	GTGGTTTCTT	TGTTCCGCAA	AATGATAATG	TTACTCAAAC		4620
4621	TTTTAAATTT	AATAACGTTT	GGGCAAGGGA	TTTAATACGA	GTTGTGGAAT	TGTTTGTAAT		4680
4681	GTCTAATACT	TCTAATTCCT	CAAAATGATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT		4740
4741	TAGTGCACCT	AAAGATATTT	TAGATAACCT	TCTTCAATTC	CTTTCTACTG	TTGATTTGCC		4800
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG	ATGCTTTAGA		4860
4861	TTTTTTCATTT	GCTGCTGGCT	CTCAGCGTGG	CAGTGTGCA	GGCGGTGTTA	ATACGTACCG		4920
4921	CCTCACCTCT	GTTTTATCTT	CTGCTGGTGG	TTGTTCCGCT	ATTTTTAATG	CGCATGTTTT		4980
4981	AGGGCTATCA	GTTCGCGCAT	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTCTGCCACG		5040
5041	TATCTTTACG	CTTTCAGGTC	AGAAGGTTTC	TATCTCTGTT	GGCCAGAATG	TCCCTTTTAT		5100
5101	TACTGGTCTG	GTGACTGGTG	AATCTGCCAA	TGTAATAAAT	CCATTTTACA	CGATTGAGCG		5160
5161	TCAAAATGTA	GGTATTTCCA	TGAGCGTTTT	TCCTGTTGCA	ATGGCTGGCG	GTAATATTGT		5220
5221	TCTGGATATT	ACCAGCAAGG	GCGATAGTTT	GAGTTCTTCT	ACTCAGGCAA	GTGATGTTAT		5280
5281	TACTAATCAA	AGAAGTATTG	CTACAAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT		5340
5341	CGGTGGGCTC	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGCGTACCCT	TCTTGTCTAA		5400
5401	AATCCCTTTA	ATCGGCTTCC	TGTTTAGCTC	CGGCTCTGAT	TCCAACGAGG	AAAGCACGTT		5460
5461	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	CGCCCTGTAG	CGGCGCATT	AGCGCGGCGG		5520
5521	GTGTGGTGGT	TACGCGCAGC	GTGACCGCTA	CACCTTGCCAG	CGCCCTAGCG	CCCCCTCCTT		5580
5581	TCGCTTTTCT	CCCTTCCTTT	CTCGCCACGT	TCGCGGCTTT	TCCCGCTCAA	GCTCTAAATC		5640
5641	GGGGGCTCCC	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC	AAAAAAGTTG		5700
5701	ATTTGGGTGA	TGTTTACGCT	AGTGGGCCAT	CGCCCTGATA	GACGGTTTTT	CGCCCTTTGA		5760
5761	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCCT	AACCTGGAACA	ACACTCAACC		5820
5821	CTATCTCGGG	CTATTCTTTT	GATTTATAAG	GGATTTTGCC	GATTTTCGGA	CCACCATCAA		5880
5881	ACAGGATTTT	CGCCTGCTGG	GGCAACACAG	CGTGGACCGC	TTGCTGCAAC	TCTCTCAGGG		5940
5941	CCAGGCGGTG	AAGGGCAATC	AGCTGTTGCC	CGTCTCGCTG	GTGAAAAGAA	AAACCACCTT		6000

FIG. 6B

Title: Surface Expression Libraries of Heteromeric Receptors

Inventor: William D. Huse

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	1	10	20	30	40	50	60	
6001	GGCGCCCAAT	ACGCAAAACCG	CCTCTCCCGG	CGCGTTGGCC	GATTCAATTAA	TGCAGCTGGC	6060	
6061	ACGACAGGTT	TCCCGACTGG	AAAGCGGGCA	GTGAGCGCAA	CGCAATTAAT	GTGAGTTAGC	6120	
6121	TCACTCATT	GGCACCCAG	GCTTTACACT	TTATGCTTCC	GGCTCGTATG	TTGTGTGGAA	6180	
6181	TTGTGAGCGG	ATAACAATTI	CACACGCCAA	GGAGACAGTC	ATAATGAAAT	ACCTATTGCC	6240	
6241	TACGGCAGCC	GCTGGATTGT	TATTACTCGC	TGCCCAACCA	GCCATGGCCG	AGCTCTTCCC	6300	
6301	GCCATCTGAT	GAGCAGTTGA	AATCTGGAAC	TGCCTCTGTI	GTGTGCTGTC	TGAATAACTT	6360	
6361	CTATCCCAGA	GAGGCCAAAG	TACAGTGGAA	GGTGGATAAC	GCCCTCCAAT	CGGGTAACTC	6420	
6421	CCAGGAGAGT	GTACAGAGC	AGGACAGCAA	GGACAGCACC	TACAGCCTCA	GCAGCACCCF	6480	
6481	GACGCTGAGC	AAAGCAGACT	ACGAGAAACA	CAAAGTCTAC	GCCTGCGAAG	TCACCCATCA	6540	
6541	GGGCTTGAGC	TCGCCCCTCA	CAAAGAGCTT	CAACAGGGGA	GAGTGTCTTA	GAACGCGTCA	6600	
6601	CTTGGCACTG	GCCGTCGTTT	TACAACGTCG	TGACTGGGAA	AACCCTGGCG	TTACCCAAGC	6660	
6661	TTTGTACATG	GAGAAAATAA	AGTGAACAAA	AGCACTATTG	CACTGGCACT	CTTACCCTTA	6720	
6721	CTGTTTACCC	CTGTGGCAAA	AGCCGCTTCC	ACCAAGGGCC	CATCGGTCTT	CCCCCTGGCA	6780	
6781	CCCTCCTCCA	AGAGCACCTC	TGGGGGCACA	GCGGCCCTGG	GCTGCCTGGT	CAAGACTAAT	6840	
6841	TCCCGGAACC	GGTGACGGTG	TCGTGGAACT	CAGGCGCCCT	GACCAGCGGC	GTGCACACCT	6900	
6901	TCCCGGCTGT	CCTACAGTCC	TCAGGACTCT	ACTCCCTCAG	CAGCGTGGTG	ACCGTGCCCT	6960	
6961	CCAGCAGCTT	GGGCACCCAG	ACCTACATCT	GCAACGTGAA	TCACAAGCCC	AGCAACACCA	7020	
7021	AGGTGGACAA	GAAAGCAGAG	CCCAATCTT	GTACTAGTGG	ATCCTACCCG	TACGACGTTT	7080	
7081	CGGACTACGC	TCTTTAGGCT	GAAAGCGATG	ACCTTGCTAA	GGCTGCATTC	AATAGTTTAC	7140	
7141	AGGCAAGTGC	TACTGAGTAC	ATTGGCTACG	CTTGGGCTAT	GGTAGTAGTT	ATAGTTGGTG	7200	
7201	CTACCATAGG	GATTAAATTA	TTCAAAAAGT	TTACGAGCAA	GGCTTCTTAA	GCAATAGCGA	7260	
7261	AGAGGCCCGC	ACCGATCGCC	CTTCCCAACA	GTTGCGCAGC	CTGAATGGCG	AATGGCGCTT	7320	
7321	TGCCTGGTTT	CCGGCACCAG	AAGCGGTGCC	GGAAAGCTGG	GTGGAGTGGC	ATCTTCTCTA	7380	
7381	GGCCGATACG	GTGCTCGTCC	CCTCAAACTG	GCAGATGCAC	GGTTACGATG	CGCCCATCTA	7440	
7441	CACCAACGTA	ACCTATCCCA	TTACGGTCAA	TCCGCCGTTT	GTTCCACCGG	AGAATCCGAC	7500	
7501	GGGTTGTTAC	TCGCTCACAT	TTAATGTTGA	TGAAAGCTGG	CTACAGGAAG	GCCAGACGCG	7560	
7561	AATTAATTTT	GATGGCGTTC	CTATTGGTTA	AAAAATGAGC	TGATTTAACA	AAAAATTAAC	7620	
7621	GCGAATTTTA	ACAAAATATT	AACGTTTACA	ATTTAAATAT	TTGCTTATAC	AATCTTCTTG	7680	
7681	TTTTTGGGGC	TTTTCTGATT	ATCAACC6GG	GTACATATGA	TTGACATGCT	AGTTTTACGA	7740	
7741	TTACCGTTCA	TCGATTCTCT	TGTTTGCTCC	AGACTCTCAG	GCAATGACCT	GATAGCCTTT	7800	
7801	GTAGATCTCT	CAAAAATAGC	TACCCTCTCC	GGCATTAAAT	TATCAGCTAG	AACGGTTGAA	7860	
7861	TATCATATTG	ATGGTGATT	GACTGTCTCC	GGCCTTTCTC	ACCCTTTTGA	ATCTTTACCT	7920	
7921	ACACATTACT	CAGGCATTGC	ATTTAAAATA	TATGAGGGTT	CTAAAAATTT	TTATCCTTGC	7980	
7981	GTGAAATAA	AGGCTTCTCC	CGCAAAAGTA	TTACAGGGTC	ATAATGTTTT	TGGTACAACC	8040	
8041	GATTTAGCTT	TATGCTCTGA	GGCTTTATTG	CTTAATTTTG	CTAATTCCTT	GCCTTGCCCTG	8100	
8101	TATGATTTAT	TGGACGTT					8118	

FIG. 6C